AR - 622		•	What is pasteurization? Ex	5. (a)
mester B. Sc. (Part - III) Examination	Sixth Se	brief. 4	method of pasteurization in bri	4.
6S - MICROBIOLOGY	•	4	Explain phosphatase test.	(b)
		se production in	Explain the process of cheese	(c)
Fermentation, Food Microbiology and Metabolism)	(Industria	4	general.	
Wictabolishi)	P. Pages: 4		OR	
	r. rages : 4	ition of milk. 4	Define milk. Write composition	(d)
Hours] [Max. Marks: 80	Time: Three	4	Explain the grades of milk.	(e)
 All questions are compulsory. Draw neat and labelled diagrams wherever necessary. 	Note:	ganisms in milk.	Explain sources of microorgani	(f)
		tions. 4	Explain in brief Food infection	6. (a)
l in the blanks.	1. (A) Fi	in brief. 4	Describe production of idli in	(b)
Salmonellosis is a type of ———infection.	(i,	ors of Food 4	What are the indicators Contamination? OR	(c)
Crowded plate technique is used for	(ii	mination of food.	Explain the sources of contamin	(d)
) Milk pasteurization is confirmed by	(i		Explain Sauerkraut production.	(e)
test.		thod of Food	Describe any one method	(f)
) Red table wine contains ———— % amount of alcohol.	(i	4	Preservation.	
		assification and	cribe in detail enzyme classi	
oose the correct option :-	(B) C		enclature.	nom
Pasteurization temp. kills	(i	12	OR	Evn
(a) S. aureus (b) M.tuberculosis	.	12	lain in detail glycolysis.	Exp
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		(c) C.burnetii (d) All of these	OR	
		(ii) Bacterial amylase is an example of	(d) Explain in brief inoculum build up. 4	
		(a) Vitamin (b) Apoenzyme	(e) Describe in brief batch and continuous	
		(c) Coenzyme (d) Enzyme	fermentation. 4	
		(iii) Glucose metabolism releases energy as	(f) Describe raw materials used in fermentation in brief.	
		(a) ATP (b) ADP		
		(c) AMP (d) GTP	3. With the help of flow-sheet explain in detail	
		(iv) Glycolysis is also called as	industrial production of Beer.	
		pathway.	OR	
		(a) GMP (b) CMP		
		(c) EMP (d) HMP 2	Explain in detail Industrial production of citric acid. Add a note on its uses.	
	(C)	Answer the following in one sentence:—	acid. Add a note on its uses.	
		(i) Production strain	4. (a) Explain in detail production of SCP using	
	(ii) Active dry yeast	bacteria. 4		
	(iii) Concentrated milk	(iii) Concentrated milk	(b) Explain in brief Baker's yeast production. 4	
		(iv) HOPS 4	(c) Write the applications of amylase. 4	
			OR	
2.	(a)	Explain any one method of primary screening.	(d) Explain Industrial production of Vit B ₁₂ 4	
	(b)	Explain in brief antifoam agents. 4	(e) Explain in brief active dry yeast. 4	
	(c)	Describe in brief aerobic and anaerobic fermentation.	(f) Draw the flow sheet of Penicillin production.	
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